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- BEALE, D. & FEINSTEIN, A. Structure and function of the constant regions of immunoglobulins, **9**, 1976, 135
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- CAREY, P. R. Resonance Raman spectroscopy in biochemistry and biology, **11**, 1978, 309
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- CASKEY, C. T. The universal RNA genetic code, **3**, 1970, 295
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- CREWE, A. V. The current state of high resolution scanning electron microscopy, **3**, 1970, 137

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- EIDEN, M. New looks and outlooks on physical enzymology, **1**, 1968, 3
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- FISCHER-HJALMARS, INGA. Molecular quantum mechanics in biology, **1**, 1968, 311
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- JOHNSON, ANDERS. Aspects on gravity-induced movements in plants, **4**, 1971, 227
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- KALLENBACH, NEVILLE R. & BERMAN, HELEN M. RNA structure, **10**, 1977, 137
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- KLEIN, ROGER. Thermodynamics and membrane processes, **15**, 1982, 667.
- KILKSON, R. Evolution of chromosomes and viruses, derivation and structure, **1**, 1968, 265
- KLAPPER, M. H. & FARRAGI, M. Applications of pulse radiolysis to protein chemistry, **12**, 1979, 465
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- KOHNE, DAVID E. Evolution of higher-organism DNA, **3**, 1970, 327
- KONTIAINEN, SIRKKA, MÄKELÄ, O. & HURME, M. Immune responses to hapten conjugates in vitro, **8**, 1975, 507

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- KRATKY, O. & PILZ, I. Recent advances and applications of diffuse X-ray small-angle scattering on biopolymers in dilute solutions, **5**, 1972, 481
- KRATKY, O. & PILZ, I. A comparison of X-ray small-angle scattering results to crystal structure analysis and other physical techniques in the field of biological macromolecules, **11**, 1978, 39
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- LANG, G. Mössbauer spectroscopy of haem proteins, **3**, 1970, 1
- LANGER, ARTHUR M. Crystal facts and cleavage planes in quartz as templates in biological processes, **11**, 1978, 577
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- LÄUGER, P., BENZ, R., STARK, G., BAMBERG, E., JORDAN, P. C., FAHR, A. & BROCK, W. Relaxation studies of ion transport systems in lipid bilayer membranes, **14**, 1981, 512
- LAVENDA, B. H. The theory of multi-stationary state transitions and biosynthetic control processes, **5**, 1972, 429
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- LIQUORI, A. M. The stereochemical code and the logic of a protein, **2**, 1969, 65
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- LONGUET-HIGGINS, H. C., WILLSHAW, D. J. & BUNEMAN, O. P. Theories of associative recall, **3**, 1970, 223
- MCCONNELL, HARDEN M. & MCFARLAND BETTY GAFFNEY. Physics and Chemistry of spin labels, **3**, 1970, 91
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- MACROBBIE, E. A. The active transport of ions in plant cells, **3**, 1970, 251
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- MALMSTRÖM, BO. G. Cytochrome c oxidase: some current biochemical and biophysical problems, **6**, 1973, 389
- MALTEMPO, M. M. & MOSS, T. H. The spin 3/2 state and quantum spin mixtures in haem proteins, **9**, 1976, 181
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- MENEGHINI, ROGERIO, MENCK, CARLOS F. M. & SCHUMACHER, R. IVAN. Mechanisms of tolerance to DNA lesions in mammalian cells, **14**, 1981, 381
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- OSTER, G. F., PERELSON, A. S. & KATCHALSKY, AHARON. Network thermodynamics: dynamic modelling of biophysical systems, **6**, 1973, 1
- PADLAN, E. A. Structural basis for the specificity of antibody-antigen reactions and structural mechanisms for the diversification of antigen-binding specificities, **10**, 1977, 35
- PATTEE, H. H. Physical theories of biological coordination, **4**, 1971, 255
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- PTITSYN, O. B. & FINKELSTEIN, A. V. Similarities of protein topologies:

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- PULLMAN, ALBERTE & PULLMAN, BERNARD. Molecular electrostatic potential of the nucleic acids, **14**, 1981, 289
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- RANG, H. P. Acetylcholine receptors, **7**, 1974, 283
- Recommendations for measurement and presentation of biochemical equilibrium data, **9**, 1976, 439.
- RECORD, M. THOMAS, JR., ANDERSON, CHARLES, F. & LOHMAN, TIMOTHY. Thermodynamic analysis of ion effects on the binding and conformational equilibria of proteins and nucleic acids: the roles of ion association or release, screening and ion effects on water activity, **11**, 1978, 103
- REICHARDT, W. & POGGIO, T. Visual control of orientation behaviour in the fly. I. A quantitative analysis. II. Towards the underlying neural interactions, **9**, 1976, 311
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- RIGLER, RUDOLF & EHRENBERG, MANS. Molecular interactions and structure as analysed by fluorescence relaxation spectroscopy, **6**, 1973, 139
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- SCHMIDT-NIELSEN, KNUT. The neglected interface: the biology of water as a liquid-gas system, **2**, 1969, 283
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- SKOU, JENS CHR. The ($\text{Na}^+ + \text{K}^+$) activated enzyme and its relationship to transport of sodium and potassium, **7**, 1974, 401
- SLATER, E. C. The coupling between energy-yielding and energy-utilizing reactions in mitochondria, **4**, 1971, 35
- SOLOMON, A. K. A short history of the foundation of the International Union for Pure and Applied Biophysics, **1**, 1968, 107
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- TROSKO, JAMES E. & CHANG, CHIA-CHENG. Gases, pollutants and human diseases, **11**, 1978, 603
- USSING, H. H. The interpretation of tracer fluxes in terms of membrane structure, **1**, 1968, 365
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- WHITAKER, M. J. & STEINHARDT, R. A. Ionic regulation of egg activation, **15**, 1982, 593.
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- WITT, H. T. Coupling of quanta, electrons, fields, ions and phosphorylation in the functional membrane of photosynthesis results by pulse spectroscopic methods, **4**, 1971, 365
- WOOD, J. M., FANCHIANG, Y.-T. & RIDLEY, W. P. The biochemistry of toxic elements, **11**, 1978, 467
- WYMAN, J. Regulations in macromolecules as illustrated by haemoglobin, **1**, 1968, 35
- YEH, YIN & KEELER, R. N. A new probe for reaction kinetics - the spectrum of scattered light, **2**, 1969, 315
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